

EUROPA Docs

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This page provides in-depth documentation on understanding and using EUROPA. If you don't know where to start, or just want a quick overview of how to use EUROPA, take a look at the [EUROPA Quick Start](#)

Background Concepts

- [Overview: The EUROPA 2 Planning Approach](#)
- Constraint Satisfaction Problems
- Simple Temporal Problems (Networks)
- Plan Representation
- Dynamic Objects
- Partial Plans
- Problem Solving

User Docs

- [How to embed EUROPA in an application](#)
- [NDDL Reference](#)
- [Complete NDDL Grammar \(for ANTLR\)](#)
- [Constraint Library Reference](#)
- Configuration
 - ◆ [Logging](#)
 - ◆ [Built-in Solver](#)
- Visualization / Debugging Tools
 - ◆ PSUI
 - ◆ PlanWorks
 - ◇ PlanWorks user's guide
 - ◇ [PlanWorks.cfg Reference](#)
 - ◆ Low-level debugging:
 - ◇ Stepping and Writing
 - ◇ [Debug Output Management](#)
 - ◇ Timelines
 - ◇ The Token Network
 - ◇ The Constraint Network
 - ◇ Metric Resources
 - ◇ Common Debugging Scenarios
- Architecture
 - ◆ [Overview](#)
 - ◆ Propagation Services
 - ◆ Plan Database Services
 - ◆ Modeling Services
 - ◆ Problem Solving Services
 - ◆ Ancillary Modules
- How to Extend EUROPA

- ◆ Adding a Constraint
- ◆ Adding a Listener
 - ◇ TODO! Entries for different listener types
- ◆ Extending the built-in solver
 - ◇ Adding a Flaw Filter
 - ◇ Adding a Flaw Handler
 - ◇ Adding a Flaw Manager
- ◆ Building your own Solver
- API Docs (TODO: add link to Doxygen/JavaDoc docs)
 - ◆ PSEngine (C++ / Java)
 - ◆ Internal C++ API
- Glossary
- References

Modeling tricks

- Notes on Using Resource Search Operators

Images (referenced throughout the documentation)